

Appl. No. 10/619,061
Amdt. dated October 31, 2006
Reply to Office Action of 08/01/2006

Docket No. A01182

AMENDMENTS TO CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A triggered response composition comprising: one or more polyelectrolytes in contact with an aqueous system that is stable and insoluble in an aqueous system at an ionic strength equivalent to 0.5 M sodium chloride or higher and when in contact with an aqueous system at an ionic strength equivalent to less than 0.1 M sodium chloride, the composition disperses, disintegrates, dissolves, destabilizes, swells, or combinations thereof; wherein the polyelectrolyte is one or more alkali soluble polymers having a weight average molecular weight between 1,000 and 20,000 comprising: (a) 5-70 weight percent of acidic monomers selected from methacrylic acid or acrylic acid; (b) 30-95 weight percent of one or more non-ionic vinyl monomers selected from butyl acrylate, styrene and methyl methacrylate, and (c) 0.01 to 5 weight percent of one or more cross-linking agents selected from the group consisting of alkaline earth ions calcium, magnesium and barium, wherein said aqueous system comprises fabric.
2. (cancelled)
3. (previously presented) A barrier composition comprising: one or more triggered response composition of claim 1, further comprising one or more active ingredients, and wherein said polyelectrolyte surrounds said active ingredients.
4. - 8. (cancelled)
9. (currently amended) A triggered response composition comprising: one or more polyelectrolytes in contact with an aqueous system that is stable and insoluble in an aqueous system at an ionic strength equivalent to 0.5 M sodium chloride or higher

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and when in contact with an aqueous system at an ionic strength equivalent to less than 0.1 M sodium chloride, the composition disperses, disintegrates, dissolves, destabilizes, swells, or combinations thereof; wherein the polyelectrolyte is one or more alkali soluble polymers having a weight average molecular weight between 1,000 and 20,000 comprising: (a) 5-70 weight percent of acidic monomers selected from methacrylic acid or acrylic acid; (b) 30-95 weight percent of one or more non-ionic vinyl monomers selected from butyl acrylate, styrene and methyl methacrylate and (c) 0.01 to 5 weight percent of one or more transition metal ion cross-linking agents selected from the group consisting of ~~carbonate, bicarbonate, and acetate salts~~ of iron, copper, and zinc, wherein said aqueous system comprises fabric.

10. (previously presented) A barrier composition comprising: one or more triggered response composition of claim 9, further comprising one or more active ingredients, and wherein said polyelectrolyte surrounds said active ingredients.
11. (new) The triggered response composition of claim 9, wherein said aqueous system is a fabric laundry wash cycle.
12. (new) The triggered response composition of claim 1, wherein said aqueous system is a fabric laundry wash cycle.